

Annex 5

Summary of results obtained by Busch et al. (Annex 4)

	overexpression	antisense
<i>psy1</i>	<ul style="list-style-type: none"> phenotypic changes in primary transformants (page 440, 2nd column, 4th paragraph ff.) 	<ul style="list-style-type: none"> phenotypic changes (page 448, 1st column, 2nd paragraph)
	<ul style="list-style-type: none"> dwarf phenotype in highly expressing plants (page 447, 1st column, last paragraph ff) 	<ul style="list-style-type: none"> no significant phenotype (page 443, 1st column, 2nd paragraph; page 447, 2nd column, 2nd paragraph)
	<ul style="list-style-type: none"> an accumulation of phytoene (Table 1) 	
	<ul style="list-style-type: none"> changed pigment composition: a lowered ratio of chlorophyll to carotenoids ratio (Table 1) 	<ul style="list-style-type: none"> changed pigment composition: an increased ratio of chlorophyll to carotenoids (Table 2)
	<ul style="list-style-type: none"> increased carotenoid level in moderately expressing plants (page 447, 2nd column, 1st paragraph) 	<ul style="list-style-type: none">
<i>psy2</i>	<ul style="list-style-type: none"> decrease in total pigment content in highly expressing plants (page 447, 2nd column, 1st paragraph) 	<ul style="list-style-type: none"> decrease in pigment content (page 447, 2nd column, last paragraph)
	<ul style="list-style-type: none"> phenotypic changes but not as drastic as for <i>psy1</i> (page 442, 1st column) 	<ul style="list-style-type: none"> no phenotypic or metabolic changes (page 443, 2nd column, end of 1st paragraph; page 448, 1st column, 2nd paragraph)
	<ul style="list-style-type: none"> dwarf phenotype in highly expressing plants (page 447, 1st column, last paragraph ff) 	<ul style="list-style-type: none">
	<ul style="list-style-type: none"> accumulation of phytoene (page 447, 1st column, last paragraph) 	<ul style="list-style-type: none">
	<ul style="list-style-type: none"> increased carotenoid level in moderately expressing plants (page 447, 2nd column, 1st paragraph) 	<ul style="list-style-type: none">
	<ul style="list-style-type: none"> decrease in total pigment content in highly expressing plants (page 447, 2nd column, 1st paragraph) 	<ul style="list-style-type: none"> decrease in pigment content (page 447, 2nd column, last paragraph)

	overexpression	antisense
<i>pds</i>	<ul style="list-style-type: none"> no phenotypic or metabolic changes (see A4, page 445, 1st column, 2nd paragraph; page 448, 1st column, 3rd paragraph) 	<ul style="list-style-type: none"> accumulation of phytoene (see A4, page 445, 2nd paragraph) increased carotenoid levels (see A4, page 445, 2nd paragraph; page 448, 2nd column, end of 2nd paragraph) bleaching of green tissue (see A4, page 445, 2nd column, 3rd paragraph)